In re ELLIOT, et al.
09/614,586

IN THE CLAIMS

Please cancel claims 24-29.

Please amend claims 1, 2, 7-11 and 17-23 as follows.

1. A heating/air-conditioning installation for a motor vehicle, comprising a thermal loop which includes a refrigerating compressor, a gas cooler, a condenser, a pressure-reducing valve, an evaporator, and a heating element, wherein the gas cooler and the heating element are grouped together into a single exchanger including a main module forming a main air/heat carrying fluid/refrigerant-fluid exchanger.

2. The installation of Claim 1, wherein the main exchanger comprises:

- at least one surface for exchanging between the air and the heat-carrying fluid flowing through the main exchanger, and

- at least one surface for exchanging between the heat-carrying fluid and the refrigerant fluid of a main loop flowing through the main exchanger.

7. The installation of Claim 1, wherein the main exchanger comprises:

- at least one surface for exchanging between the air and the refrigerant fluid, and

- at least one surface for exchanging between the heat-carrying fluid and the refrigerant fluid.

8. The installation of claim 1, wherein the main exchanger includes a collector of heat-carrying fluid and a collector of the refrigerant fluid which are arranged at opposite ends of the main exchanger.

9. The installation of Claim 8, wherein an element for exchanging between the heat-carrying fluid and the refrigerant fluid comprises at least one heat-carrying fluid circuit element for making the heat-carrying fluid circulate along an outwards and return path from and to the heat-carrying fluid collector and at least one refrigerant-fluid circuit element for making the refrigerant fluid circulate along an outwards and return path from and to the refrigerant-fluid collector.

10. The installation of Claim 9, wherein circulation of the refrigerant fluid and of the heat-carrying fluid currents are at least partly counter to each other.

11. The installation of Claim 9, wherein the refrigerant-fluid collector exhibits an element of volume forming a refrigerant-fluid bottle for the thermal loop.

17. The installation of Claim 1, wherein the thermal loop comprises an additional evaporator for operation in heating mode, and a second routing circuit in order, in heating mode, to form a heat pump the condenser of which is the main exchanger and the evaporator of which is an additional evaporator.

18. The installation of Claim 1, wherein the thermal loop comprises a third routing circuit in order, in a thermal heating mode, to form a heating loop including the compressor and the main exchanger, a refrigerant-fluid outlet of the main exchanger being coupled to an inlet of the compressor.

19. The installation of Claim 18, wherein further comprising a pressure-reducing valve arranged downstream of the main exchanger.

20. The installation of Claim 1, wherein the thermal loop includes a supply device for supplying the main exchanger either with at least one of cooling water and overcooled water.

21. The installation of Claim 20, further comprising:

- an air-conditioning mode in which the main exchanger is traversed by refrigerant fluid and by overcooled water, and

- a heating mode in which the main exchanger is traversed by cooling water.

22. The installation of Claim 21, further comprising a mixing flap which, in the air-conditioning mode, is in a closed position in which the main exchanger is isolated from the airflow.

23. The installation of Claim 22, further comprising a de-misting mode in which the air-conditioning mode is activated, and in which the mixing flap is in an at least partially open position, so that the main exchanger is traversed by at least a part of the airflow.